## Claims

- 1. A method for transforming a plant cell which comprises:
- (a) selecting at least one cell from a Type I, Type 5 II, hypocotyl-derived, or cotyledon-derived callus culture or from a meristem, pollen, cotyledon, or germ cell tissue; and
  - (b) inserting DNA into said cell by whisker mediated transformation.
- 10 2. A method for producing a fertile transgenic plant which comprises regenerating a cell produced by the method of claim 1.
  - comprising the steps of: (i) establishing a regenerable callus culture from a plant to be transformed wherein said callus culture is selected from the group consisting of Type I, Type II, hypocotyl-derived, and cotyledon-derived callus culture; (ii) selecting a plant cell aggregate

A method for producing a fertile transgenic plant

- therefrom for transformation; (iii) transforming said
  20 plant cell aggregate with DNA by whisker-mediated
- transformation; (iv) identifying transformed cell lines therefrom; and (iv) regenerating fertile transgenic plants therefrom.
  - 4. The method of Claim 3 wherein said Type I callus
- 25 culture is established from Zea mays or Oryza sativa.
  - 5. The method of Claim 3 wherein said Type II callus culture is established from Zea mays.
  - 6. The method of Claim 3 wherein said hypocotyl-derived culture is established from *Gossypium hirsutum*.
- 30 7. The method of Claim 3 wherein said cotyledon-derived culture is established from *Gossypium hirsutum*.
  - 8. The method of Claim 3 wherein said plant cell aggregate is initiated on solid medium.
- 9. A fertile transgenic plant produced by the method of of claim 3.

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- 10. A DNA construct functional in a plant cell comprising in the 5' to 3' direction of transcription, a transcriptional regulatory region functional in said plant cell and having a DNA sequence according to SEQ ID NO:1, and a gene of interest, said gene being either in the sense or antisense orientation.
  - 11. The transcriptional regulatory region according to Claim 10 comprising the DNA sequence SEQ ID NO:1.

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